

Abstract Of The Disclosure

A magnetoresistive layer system, in an environment of a magnetoresistive layer stack that works particularly on the basis of the GMR effect or the AMR effect, a layer array being provided which generates a magnetic field which acts upon the

- 5 magnetoresistive layer stack, and the layer array having at least one hard magnetic layer and at least one soft magnetic layer. Furthermore, a sensor element, particularly for the detection of magnetic fields with respect to their strength and/or direction, having such a layer system.